	Application No.		
Notice of Allowability	09/864,905		
	Examiner	Art Unit	
	Hong Liu	1624	
The MAILING DATE of this communication appelaims being allowable, PROSECUTION ON THE MERITS IS (with (or previously mailed), a Notice of Allowance (PTOL-85) ICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT OF PATENT R	OR REMAINS) CLOSED or other appropriate comm GHTS. This application is and MPEP 1308.	in this application. If not inclu nunication will be mailed in du	ded e course. THIS
This communication is responsive to the amendment of Jur	<u>ne 2, 2004</u> .		
The allowed claim(s) is/are <u>1-4,6-10,12-15,17-22,27-31,33</u>	and 38-42.		
The drawings filed on are accepted by the Examiner			
Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Applicati	on No	cation from the
plicant has THREE MONTHS FROM THE "MAILING DATE" of ted below. Failure to timely comply will result in ABANDONM IIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the r	equirements
A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF
CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revie	ew (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment o	or in the Office action of	
dentifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			he back) of
DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT I			. Note the
chment(s)] Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application (P	TO-152)
Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit	8), 7.	./Mail Date s Amendment/Comment s Statement of Reasons for A	llowance
of Biological Material	9. Other		*

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The closest reference of record is Czollner et al. (WO 97/40049). The reference teaches diazabicyclo[3,31]nonane derivatives, their process and use. See formula I, Page 4. The instantly claimed compounds differ from the reference compounds in the substituents on one of the nitrogens of the diazabicyclo[3,31]nonane. It is hydrogen in the instant invention whereas it is substituted with a non-hydrogen substituent in the reference. The closest compound in the reference is the one with one of the nitrogens of the diazabicyclo[3,31]nonane substituted by methyl. Applicants compared their compound with the closest reference compound and found that their hydrogen substituted diazabicyclo[3,31]nonane compound is 40-fold more potent in inhibiting the nicotinic $\alpha 4\beta 2$ receptor than the methyl substituted compound from the reference (see page 5 of Dr. Craig Miller's Declaration). Since the side by side comparison of the instantly claimed compounds and the reference compounds showed unexpected result for the instant compounds, the instantly claimed compounds are deemed to be novel and patentably distinct.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication should be directed to Examiner Hong Liu whose telephone number is (571) 272-0669. The examiner can normally be reached on Monday through Friday from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by the phone are unsuccessful, the examiner's supervisors, Mukund Shah can be reached at (571) 272-0674. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 358-1235.

PRIMARY ÉXAMINEI ART UNIT 1624

Mukund Shah

Supervisory Patent Examiner

Art Unit 1624

hl June 8, 2004